



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

d'Halloy, beginning with this sentence: "Dans une série de notes que j'ai présentées à l'Académie de 1839 à 1844, j'ai cherché à faire voir, entre autres considérations ethnographiques, que la race blanche, restreinte dans ce que je considère ses véritables limites, présente trois modifications principales, *et qu'il n'est nullement démontré que les ancêtres des Européens actuels soient venus d'Asie.*" (Italics mine.)

The author then proceeds to discuss the evidence, physiological, historical and linguistic, which had been thought to show that the Indo-European peoples originated in Asia; and combats it at every point, marshalling his arguments to prove that the true white type is distinctly European; and that the ancient Sanscrit and Zend are in no wise maternal languages of the Indo-European stock, but merely sisters of the Greek, Latin, and ancient German.

The earliest expression of this view by Dr. Latham, so far as I know, is that referred to by Professor Haynes, in this journal, April 8, which was published in 1851,—years, therefore, after Omalius had urged the same theory in a number of papers. It is strange, indeed, and regrettable, that an endless chain of writers have given credit where it did not belong for this bold and certainly in great measure correct theory. D. G. BRINTON.

Media, Pa., June 20.

AMONG THE PUBLISHERS.

PROFESSOR HUXLEY is collecting his papers on the "Gadarene Swine" and other controversial topics, which he contributed recently to the *Nineteenth Century*, and will issue them with a new preface.

—Fleming H. Revell Company has just ready "Peeps into China," by the Rev. Gilbert Reid, M.A., of the American Presbyterian Board, a series of observations on the manners and customs of the Chinese.

—G. P. Putnam's Sons have ready "Materialism and Modern Physiology of the Nervous System," by Dr. William H. Thomson, Professor of Materia Medica in the University of New York; and "Who Pays Your Taxes?" a compilation by Bolton Hall of the opinions on taxation of David A. Wells, George H. Andrews, Thomas G. Shearman, Julien T. Davies, Joseph Dana Miller, the compiler and others, which is one of the "Questions of the Day Series."

—Ginn & Co. have in preparation "A Students' Edition of the Age of Fable," on the basis of Bulfinch's "Age of Fable" (1855), adapted to school use and to the needs of beginners in English literature and in the classics, in part rewritten, accompanied by interpretative and illustrative notes, by Charles Mills Gayley, Professor of the English Language and Literature in the University of California, and formerly Assistant Professor of Latin in the University of Michigan.

—Longmans, Green & Co. will publish immediately a new edition of Professor Max Müller's lectures on "India: What can it Teach Us?" which were delivered at Cambridge to the candidates for the Indian Civil Service. They will bring out at the same time a new edition of the first volume of Professor Max Müller's "Gifford Lectures," on "Natural Religion," delivered at Glasgow in 1889. Professor Max Müller is preparing for the press the fourth volume of his "Gifford Lectures," on "Psychological Religion," but it is not likely to appear before the end of the year.

—Messrs. D. Appleton & Co. announce for early publication "Controverted Questions," a new book by Professor Huxley; "The Principles of Ethics," Vol. I., by Herbert Spencer; "The Canadian Guide-Book, Part II., Western Canada," a handsomely illustrated volume by Ernest Ingersoll, describing Western Canada from Ottawa to Vancouver, and uniform with "The Canadian Guide-Book, Part I., Eastern Canada," by Professor C. G. D. Roberts, of which a new and revised edition is now ready; "The Naturalist in La Plata," illustrated by W. H. Hudson, joint author of "Argentine Ornithology." New editions, fully revised, of Appletons' well-known "General Guide to the United States and

Canada," and "Appletons' Summer Resorts," are to be published immediately.

—Mr. C. Michie Smith has edited a work embodying "Results of the Meteorological Observations made at the Government Observatory, Madras, during the years 1861-90, under the direction of the late Mr. Norman Robert Pogson." The volume, according to *Nature*, is published by order of the Government of Madras. It was Mr. Pogson's intention to issue the work as soon as he could after the completion of thirty years of observation, and at the time of his death a considerable part of the manuscript was nearly ready for press. In editing the work, Mr. Smith, so far as possible, has retained the original plan. He expresses much admiration for the skill and thoroughness with which the observations were organized and carried out.

—In the *Political Science Quarterly* for June Professor John Bassett Moore continues his study of "Asylum in Consulates and in Vessels," bringing it down to the late affair in Chili; John Hawks Noble presents a concise summary of "The Immigration Question" as it stands at present; Robt. Brown, Jr., gives the salient points in the history of "Tithes in England and Wales;" Professor Ugo Rabbeno, of Bologna, Italy, expounds and criticises "The Landed System of Social Economy," as contained in the works of his fellow-countryman, Achille Loria; Ernest W. Clement discusses "Local Self-Government in Japan;" and Professor A. B. Hart, of Harvard, writing on "The Exercise of the Suffrage," argues against the project of compulsory voting and gives statistical tables bearing on the subject. The book reviews include over twenty publications, and Professor Dunning brings his Record of Political Events down to May 1.

—C. W. Bardeen of Syracuse, N. Y., has published a little pamphlet by Professor N. M. Butler on "The Place of Comenius in the History of Education." It does not sketch the incidents of Comenius's life, and gives only a partial account of his educational theories, the defective parts of his work being for the most part kept out of sight. Comenius held certain notions about the matter and manner of teaching of which Professor Butler himself is a strong partisan, and he is glorified in this pamphlet accordingly. Indeed, our author would have us believe that nearly all those views and practices that go by the indefinite name of "the new education" were anticipated by the Moravian educator who was born three centuries ago. Yet when we come down to facts, we find that his anticipations were often very vague, while many of the ideas he held, and on which Mr. Butler lays much stress, are at the present day little better than fads. The point most insisted upon by Mr. Butler is that Comenius was the first to maintain that education is, or should be, a drawing out and developing of the faculties. But surely that idea is expressed in the etymology of the word *education*, a fact which proves that the idea is very old. Comenius holds an honorable place in educational history, but he was no such paragon as Mr. Butler would have us believe.

—The Clarendon Press, says *Nature*, will publish immediately a second volume of Professor Weismann's work on "Heredity and Kindred Biological Problems." It contains four essays, of which only the shortest has previously appeared in an English form (in the columns of *Nature*). The first essay deals with degeneration, and clearly shows by abundant illustrations that it has resulted from *panmixia*, or the cessation of natural selection. The second is an attempt to explain the development of the art of music, and to show that the hereditary transmission of the results of practice is quite unnecessary in order to account for its rise. The third contains a reply to certain objections urged by Professor Vines. It will be useful in giving clearer expression to the ideas on the death of multicellular beings and the immortality of the unicellular. The fourth and last essay is by far the longest and most important. It deals with the essential significance of sexual reproduction and conjugation, etc., as inferred from the results of the most recent researches. Professor Weismann's older views on these subjects, especially concerning the polar bodies, have been modified and in part abandoned. The immortality of unicellular beings and the question of the transmission of

acquired characters by them are also discussed in detail with reference to recent observations.

— We learn from *Nature* that Mr. R. H. Scott has contributed an article entitled "Notes on the Climate of the British Isles," to *Longman's Magazine*. The author gives some amusing instances of the distortion of facts at seaside stations, where the observers are anxious to prove the advantages of their own towns over those of their rivals. Taking the whole year round, the warmest spot is the Scilly Isles, which are a degree warmer than either the west of Cornwall or the Channel Islands; while the coldest region on the coast is the extreme north-east of Aberdeenshire. In winter very little difference of temperature is met with all along the east coast; but the coldest part of England lies round the Wash. With regard to the variability of temperature, or the difference of the mean temperature of an entire day, the equability of the temperature of these islands is very great. The only locality for which a more uniform temperature has yet been published is Georgetown, Demerara; the figure for this place is 1.1° , while for London is 2.7° . All the great changes of temperature occur in winter, and accompany sudden thaws. As regards bright sunshine, the Channel Islands are by far the most favored. On the mean of the whole year Jersey secures 39 per cent; but from the Bristol Channel to the coast of Norfolk there is but little difference in the amounts recorded. In cities like London the deficiency is due to smoke. The statistics relating to fog are not

yet completely discussed, but so far as they go they show that in winter the foggiest district is the east coast of England. Next come London and Oxford, which are about equal. With regard to rainfall the east coast stations receive on an average of the whole year about half as much as those on the west coast, the amount being about 25 inches on the east coast, 30 to 40 inches between Sussex and Devonshire, and fifty inches to the south of Cornwall. In the west of Ireland the amount rises to 70 or 80 inches, owing to high land near the coast. The driest hour almost everywhere is noon.

— No document can give a better account of an Indian's acts or mode of thinking than a document composed by himself and put down correctly in his own words and language. In describing Indian feats of war, council debates, or stories, the author of the white race feels perfectly dwarfed when he compares his account to the phraseology of the Indian, who, with a few powerful strokes of the tongue, tells us much more accurately and forcibly what he intends to convey to our minds about his people. The numerous myths, stories, and historic recitals published in James A. Dorsey's new volume ("The Dhegiha Language," 18 and 794 pp., Washington, 1890, quarto) will fully bear out this statement. The author has made accessible to us the Omaha and Ponka language, not only by publishing the Indian texts as dictated to him by the natives and adding to them a readable English translation, but he has also subjoined an interlinear translation for each Indian

Publications Received at Editor's Office.

- DOLBEAR, A. E. Matter, Ether and Motion. Boston, Lee & Shepard. 12°. 342 p. \$1.75.
FLETCHER, L. The Optical Indicatrix. London, Henry Frowde. New York, Macmillan & Co. 8°. 124 p.
HATCH, F. H. Mineralogy. London, Whittaker & Co. 12°. 132 p. \$1.
MISSOURI BOTANICAL GARDEN. Annual Report, 1892. The Trustees. 8°. 170 p.
TROY, DANIEL S. The Value of Money. Montgomery, Ala., Brown Printing Co. 8°. Paper. 26 p.
YEAR-BOOK of the Scientific and Learned Societies of Great Britain and Ireland. London, Charles Griffin & Co. 8°. 239 p.

Societas Entomologica.

International Entomological Society, Zurich-Hottingen, Switzerland.

Annual fee, ten francs.

The Journal of the Society appears twice a month, and consists entirely of original articles on entomology, with a department for advertisements. All members may use this department free of cost for advertisements relating to entomology.

The Society consists of about 450 members in all countries of the world.

The new volume began April 1, 1892. The numbers already issued will be sent to new members.

For information address Mr. FRITZ RUHL, President of the Societas Entomologica, Zurich-Hottingen, Switzerland.

NEO-DARWINISM AND NEO-LAMARCKISM.

By LESTER F. WARD.

Annual address of the President of the Biological Society of Washington delivered Jan. 24, 1891. A historical and critical review of modern scientific thought relative to heredity, and especially to the problem of the transmission of acquired characters. The following are the several heads involved in the discussion: Status of the Problem, Lamarckism, Darwinism, Acquired Characters, Theories of Heredity, Views of Mr. Galton, Teachings of Professor Weismann, A Critique of Weismann, Neo-Darwinism, Neo-Lamarckism, the American "School," Application to the Human Race. In so far as views are expressed they are in the main in line with the general current of American thought, and opposed to the extreme doctrine of the non-transmissibility of acquired characters.

Price, postpaid, 25 cents.

N. D. C. HODGES, 874 Broadway, N. Y.

Exchanges.

[Free of charge to all, if of satisfactory character. Address N. D. C. Hodges, 874 Broadway, New York.]

Taxidermist going out of business has quantity of finely-mounted specimens of North American birds, mammals and reptiles and skins of birds for sale, including a full local collection of bird skins, showing some great variations of species; also quantity of skulls with horns of deer and mountain sheep, and mounted heads of same. Will give good exchange for Hawk Eye camera with outfit. Apply quickly to J. R. Thurston, 265 Yonge St., Toronto, Canada.

For exchange.—A fine thirteen-keyed flute in leather covered case, for a photograph camera suitable for making lantern slides. Flute cost \$27, and is nearly new. U. O. COX, Mankato, Minn.

To exchange; Experiment Station bulletins and reports for bulletins and reports not in my file. I will send list of what I have for exchange. P. H. ROLFS, Lake City, Florida.

Finished specimens of all colors of Vermont marble for fine fossils or crystals. Will be given only for valuable specimens because of the cost of polishing. GEO. W. PERRY, State Geologist, Rutland, Vt.

For exchange.—Three copies of "American State Papers Bearing on Sunday Legislation," 1891, \$2.50, new and unused, for "The Sabbath," by Harmon Kingsbury, 1840; "The Sabbath," by A. A. Phelps, 1842; "History of the Institution of the Sabbath Day, Its Uses and Abuses," by W. L. Fisher, 1859; "Humorous Phases of the Law," by Irving Browne; or other works amounting to value of books exchanged, on the question of governmental legislation interfering with religion, personal liberty, etc. I prefer to deal with "American State Papers," and buy other books on the subject. WILLIAM ADDISON BLAKELY, Chicago, Ill.

For Sale or Exchange for books a complete private chemical laboratory outfit. Includes large Becker balance (200g. to 1-10mg.), platinum dishes and crucibles, agate mortars, glass-blowing apparatus, etc. For sale in part or whole. Also complete file of *Silliman's Journal*, 1862-1885 (62-71 bound); Smithsonian Reports, 1854-1883; U. S. Coast Survey, 1854-1869. Full particulars to enquirers. F. GARDINER, JR., Pomfret, Conn.

Wanted, in exchange for the following works, any standard works on Surgery and on Diseases of Children: Wilson's "American Ornithology," 3 vols.; Coues' "Birds of the Northwest" and "Birds of the Colorado Valley," 2 vols.; Minot's "Land and Game Birds of New England"; Samuels' "Our Northern and Eastern Birds," all the Reports on the Birds of the Pacific R. R. Survey, bound in 2 vols., Morocco; and a complete set of the Reports of the Arkansas Geological Survey. Please give editions and dates in corresponding. R. ELLSWORTH CALL, High School, Des Moines, Iowa.

To exchange Wright's "Ice Age in North America" and Le Conte's "Elements of Geology" (Copyright 1882) for "Darwinism," by A. R. Wallace, "Origin of Species," by Darwin, "Descent of Man," by Darwin, "Man's Place in Nature," Huxley, "Mental Evolution in Animals," by Romanes, "Pre-Adamites," by Winchell. No books wanted except latest editions, and books in good condition. C. S. Brown, Jr., Vanderbilt University, Nashville, Tenn.

Wants.

Any person seeking a position for which he is qualified by his scientific attainments, or any person seeking some one to fill a position of this character, be it that of a teacher of science, chemist, draughtsman, or what not, may have the "Want" inserted under this head FREE OF COST, if he satisfies the publisher of the suitable character of his application. Any person seeking information on any scientific question, the address of any scientific man, or who can in any way use this column for a purpose consonant with the nature of the paper, is cordially invited to do so.

WANTED.—We want any and all of the following, providing we can trade other books and magazines or buy them cheap for cash: Academy, London, vol. 1 to 28, 35, Jan. and Feb., '89; Age of Steel, vol. 1 to 66; American Antiquarian, vol. 1, 2; American Architect, vol. 1 to 6, 9; American Art Review, vol. 3; American Field, vol. 1 to 21; American Geologist, vol. 1 to 6; American Machinist, vol. 1 to 4; Art Amateur, vol. 1 to 7, Oct., '4; Art Interchange, vol. 1 to 9; Art Union, vol. 1 to 4, Jan., '44, July, '45; Bibliotheca Sacra, vol. 1 to 46; Godey's Lady's Book, vol. 1 to 20; New Englander, vol. 11; Zoologist, Series 1 and 1, Series 3 vol. 1 to 14; Allen Armeudale (a novel). Raymer's "Old Book" Store, 243 4th Ave. S., Minneapolis, Minn.

WANTED.—By a young man, a Swarthmore College junior, a position as principal of a public high school in one of the Gulf States, or as instructor in botany, physiology, and geology in an academy or normal school. Address B., care of Librarian, Swarthmore College, Penn.

WANTED.—A teacher of Geology who is familiar with the fossils of the Hamilton Group, as instructor of Geology during July next at the Natural Science Camp on Canandaigua lake. Apply to ALBERT L. AREY, Director, 229 Averill Ave., Rochester, N. Y.

WANTED.—To act as correspondent for one or two daily or weekly papers. Have worked on paper for about two years. Would like a position on editorial staff of humorous paper. Address GEO. C. MASON, 14 Elm St., Hartford, Conn.

TRANSLATOR wanted to read German architectural works at sight (no writing). One familiar with technical terms desired. Address "A," Box 149, New York Post Office.

WANTED.—A position in a manufacturing establishment by a manufacturing Chemist of inventive ability. Address M. W. B., care of Science, 874 Broadway, N. Y.

WANTED.—Books on Anatomy and Hypnotism. Will pay cash or give similar books in exchange. Also want medical battery and photo outfit. DR. ANDERSON, 132 State street, Chicago, Ill.

WANTED.—A college graduate with some normal training, to teach the sciences, at \$1,800 per year, in a Southern college. A Baptist or a Methodist preferred. Must also be a first-class Latin scholar. A. H. Beals, Box K, Milledgeville, Ga.

ADDRESS WANTED.—Will some one please send the address of the Secretary of the American Philological Society. Also that of Herbert Spencer. "ADDISON," Room 84, 164 Madison St., Chicago, Ill.

word, as it occurs in the sentence. This enables us to study that dialect with comparative ease, and opens to us the innermost soul-life, the very fabric of Indian thought, by the disclosure of the grammatic elements. To these Indians, the categories of number and tense are not very material, and that of sex is never marked as such; but it is quite important to them whether the object spoken of or the acting subject is visible or invisible, close by, further off, or at a great distance. It matters little to these Indians of what special appearance the subject or object is, but they have to express with accuracy, whether it was standing or sitting, reclining or stretched out, acting on purpose or without purpose, and whether those acting were acting singly, in a small body, or in a crowd. Whether a story-teller is relating a fact from his own knowledge or from hearsay, has to be distinctly stated in every one of his sentences, and from the term here used it also becomes apparent whether he has heard the statement from one person or from several authorities. Although Dorsey's contributors have related to him many tribal events which we would call traditional history, we feel in reading them that they are based

on historical facts and truly Indian sociological conditions, and, as such, are just as valuable to us as many facts recorded by official historiographers of the white race. What we need for their understanding is a profound and not a desultory study of these and other Indian pieces of oral literature. Students to whom the volume has not been sent should apply for it to the member of their congressional constituency.

— The following are from the table of contents of the July number of *The Chautauquan*: Overland by the Southern Pacific, by Fannie C. W. Barbour; Hay Fever as an Idiosyncrasy, by J. M. Cooper, M.D.; In the Snake River Valley, Part II., by John R. Spears; Historic Quebec, by Edith Sessions Tupper; Summer Vacations and Physical Culture, by J. M. Buckley; The Beginnings and Endings of Centuries, by Count Charles de Mouy; Some American Chemists, by Marcus Benjamin; The Great Exposition at Chicago, by Noble Canby; Why American Children are Nervous, by Mrs. L. E. Chittenden; Marriage in Nanking, by Harriet Linn Beebe.

Exhaustion

Horsford's Acid Phosphate.

A wonderful remedy, of the highest value in mental and nervous exhaustion.

Overworked men and women, the nervous, weak and debilitated, will find in the Acid Phosphate a most agreeable, grateful and harmless stimulant, giving renewed strength and vigor to the entire system.

Dr. Edwin F. Vose, Portland, Me., says: "I have used it in my own case when suffering from nervous exhaustion, with gratifying results. I have prescribed it for many of the various forms of nervous debility, and it has never failed to do good."

Descriptive pamphlet free.

Rumford Chemical Works, Providence, R. I.

Beware of Substitutes and Imitations.

CAUTION.—Be sure the word "Horsford's" is on the label. All others are spurious. Never sold in bulk.

A TEMPORARY BINDER

for *Science* is now ready, and will be mailed postpaid on receipt of 75 cents.



This binder is strong, durable and elegant, has gilt side-title, and allows the opening of the pages perfectly flat. Any number can be taken out or replaced without disturbing the others, and the papers are not mutilated for subsequent permanent binding. Filed in this binder, *Science* is always convenient for reference.

N. D. C. HODGES, Publisher,

874 Broadway, New York.

ARTIFICIAL LIMBS

WITH RUBBER FEET AND HANDS.

Durable in Construction, Natural in Action, Noiseless in Movement.

And the MOST COMFORTABLE for the wearer. It is not unusual to see a farmer working in the fields with an artificial leg, or a brakeman applying his brake on a fast running train, or an engineer with hand on the throttle, or a fireman, carpenter, mason, miner, in fact, men of every vocation at labor in the full capacity of their employment, wearing one or two artificial legs with rubber feet, performing as much as men in possession of all their natural members, earning the same wages, in fact, experiencing little or no inconvenience.



Over 13,000 artificial limbs of the Marks' patent in daily use. Established over 39 years. Indorsed and purchased by the United States and many foreign governments. By our formula applicants can supply us with all the data necessary to secure a fit while they remain at home. One half of the legs and arms furnished by us are made from measurements and profiles without our seeing the wearers. It always guaranteed. A treatise of 60 pages with 260 illustrations and a formula for measuring, sent free. Address

A. A. MARKS, 701 Broadway, N. Y.

NEW ARC LAMP
COLLEGE PROJECTOR
FOR INCANDESCENT CURRENT
ABSOLUTELY STEADY LIGHT.
SEND FOR CIRCULAR TO
J.W. QUEEN & CO.
★ PHILA. PA. ★

PATENTS

For INVENTORS. 40-page BOOK FREE. Address W. T. Fitzgerald, Attorney at Law, Washington, D.C.

GEM OPALS. Cut ready for setting. Having purchased a large lot at the Mexican locality, we are offering them at about one-fifth jewelers' prices; 50c., \$1., \$1.50, \$2., \$3. This is a rare opportunity to secure a fine gem very cheap. 100 pp. Mineral Catalogue 15c., in cloth 25c., Supplement 2c. GEO. L. ENGLISH & CO., Mineralogists, 743 and 735 Broadway, New York City.

THE WEEKLY BULLETIN

OF NEWSPAPER AND PERIODICAL LITERATURE.

Catalogues and Classifies Each Week
THE PRINCIPAL CONTENTS OF THE PERIODICAL PRESS.

That huge mass of material heretofore inaccessible to the eager student is now rendered available. Special attention is invited to the Bulletin's

INDEX OF TECHNICAL LITERATURE

Send for a free sample copy and learn how

The Bulletin Supplies

The Articles Catalogued.

Address **THE WEEKLY BULLETIN**,
5 Somerset Street, - - Boston, Mass.

LITERARY OUTFIT FREE.

Any one sending us \$1.00 at once and mentioning "Science," will receive a copy of "Historical Sketches and Events in the Colonization of America," by G. B. Hall. A square 8vo. book (7½x9 inches), 223 pages, illustrated. This is a regular \$2.00 book and a bargain at that price. \$2.00

200 Private Library Labels; they should be used by all who own books. 50
"The Library," a 100-page book containing a brief list of most important standard and miscellaneous books in every department of literature. Intended for those who are about forming a library. Hints about what books to read and how to buy them. 50
1 year's subscription to the "Literary Light," a monthly magazine of Ancient, Medieval and Modern Literature. 1 00

\$4.00 actual value for \$1.00. Sample copy of "Literary Light," 10 cents (postal card won't do).

Address, **Literary Light**,
243 4th Ave. S. Minneapolis, Minn.

ESTERBROOK'S

STEEL PENS.

OF SUPERIOR AND STANDARD QUALITY.

Leading Nos.: 048, 14, 130, 135, 239, 333

For Sale by all Stationers.

THE ESTERBROOK STEEL PEN CO.,

Works: Camden, N. J. 26 John St., New York.

THE CHEAPEST AND BEST!

PHOTO ENGRAVING CO.

67 PARK PLACE, NEW YORK

ENGRAVING FOR ALL ILLUSTRATIVE AND ADVERTISING PURPOSES